

INCH-POUND

MIL-DTL-52525/42A

30 June 1998

SUPERSEDING

MIL-F-52525/42

30 June 1987

DETAIL SPECIFICATION SHEET

FITTINGS, HOSE, SCREW-ON TO 4-BOLT SPLIT-FLANGE, 90° BENT TUBE, TYPE 100R12

This specification is approved for use by all Departments and
Agencies of the Department of Defense

The requirements for acquiring the product described herein shall consist of this
specification sheet and MIL-DTL-52525. The fittings described herein are for use with
MIL-DTL-52471, type 100R12, 4-spiral-wrap reinforcement hose.

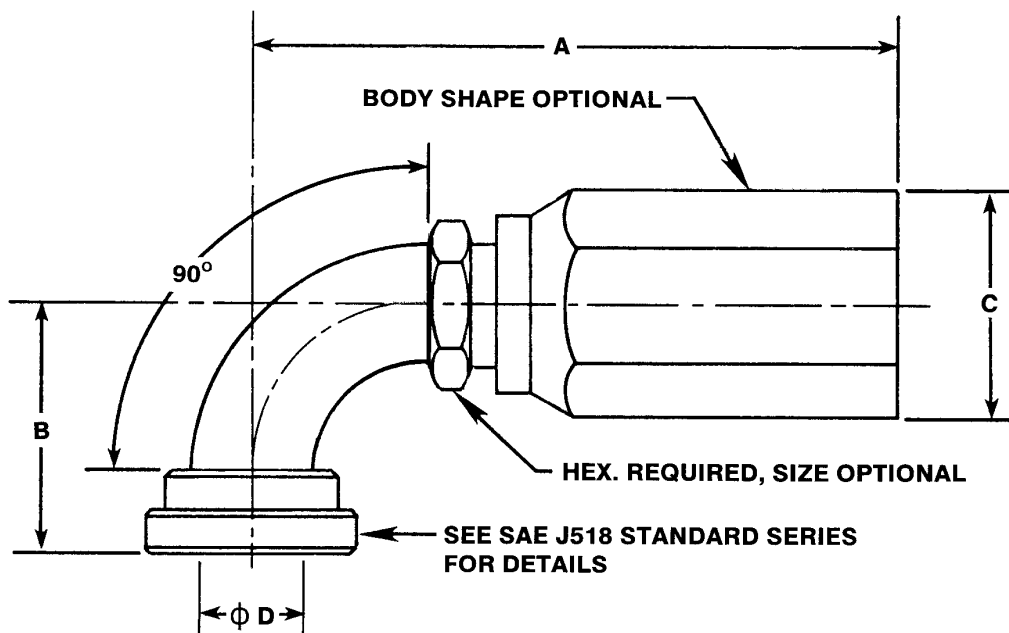


FIGURE 1. Fitting, hose, screw-on to 4-bolt split-flange, 90° bent tube.

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TABLE I. Dimensions for type 100R12 fittings, 90° bent tube.

Part number	Hose dash no.	Hose I.D.	Hose O.D.	Tube dash no.	Tube O.D.	Flange dash size
M52525/42-08-08	08	0.50	0.94	08	0.50	08
M52525/42-12-12	12	0.75	1.21	12	0.75	12
M52525/42-16-16	16	1.00	1.50	16	1.00	16

TABLE I. Dimensions for type 100R12 fittings, 90° bent tube. - Continued

Part number	A Maximum	B Maximum	C Maximum	D Minimum
M52525/42-08-08	3.60	1.65	1.29	0.35
M52525/42-12-12	4.50	2.25	1.73	0.56
M52525/42-16-16	5.50	2.50	2.02	0.75

TABLE II. Maximum operating pressures of fittings.

Hose I.D.	PSI
0.50	5000
0.75	4000
1.00	4000

REQUIREMENTS:

1. The fittings shall be in accordance with figure 1 and tables I and II.
2. Materials and finishes shall be as specified in MIL-DTL-52525.
3. Marking shall include the manufacturer's name or trademark, size, and hose identifier 100R12. Location of marking is optional.

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NOTES:

1. Dimensions are in inches.
2. Part number.

Example of a Military part number: M52525/42-12-12

Specification sheet number	_____	M52525/42	-12	-12
Size dash number for hose (see table I)	_____			
Size dash number for flange (see table I)	_____			

CONCLUDING MATERIAL

Custodian:
Army - AT
Air Force - 99

Preparing activity:
DLA - CC

(Project 4730-0859-30)

Review activities:
Air Force - 82
Army - AR